

Abstract

ENHANCING SNR AND THROUGHPUT PERFORMANCE OF INTEGRATED CIRCUITS

Low voltage transistors are used in high voltage environment. The low voltage
5 transistors may be used in the path of processing of a signal to increase the throughput
performance. By using high voltage supply associated with the high voltage environment,
a higher SNR may be attained. Various techniques are implemented to ensure that the low
voltage transistors are not damaged by prolonged exposure to high voltages.